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NOTICE OF ALLOWANCE AND FEE(S) DUE

24498

7590

08/26/2010

Robert D. Shedd, Patent Operations THOMSON Licensing LLC P.O. Box 5312 Princeton, NJ 08543-5312 EXAMINER

BADAWI, SHERIEF

ART UNIT

PAPER NUMBER

2167

DATE MAILED: 08/26/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/519,856	12/29/2004	David Aaron Crowther	PU020329	9304

TITLE OF INVENTION: HETEROGENEOUS DISK STORAGE MANAGEMENT TECHIQUE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/26/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

appropriate. All further correspondence including the Patent, advance orders and notification indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new of maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				ion of maintenance fees will be mailed to the current correspondence address as w correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
24498	hav			<u> </u>	niccion		
Robert D. Shedd, Patent Operations THOMSON Licensing LLC P.O. Box 5312				Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.			
Princeton, NJ 08	3543-5312						(Depositor's name)
							(Signature)
			L				(Date)
APPLICATION NO.	APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	TOR A		RNEY DOCKET NO.	CONFIRMATION NO.
10/519,856	12/29/2004	•	David Aaron Crowther			PU020329	9304
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nonprovisional	NO	\$1510	\$300	\$0 •		\$1810	11/26/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	_			
BADAWI	, SHERIEF	2167	707-805000				
CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON PLEASE NOTE: Unless an assignee is identified below, no assignee			or agents OR, alternati (2) the name of a sing registered attorney or 2 registered patent atto listed, no name will be THE PATENT (print or ty	* ** *			
recordation as set for	th in 37 CFR 3.11. Comj GNEE	pletion of this form is NC	OT a substitute for filing an (B) RESIDENCE: (CITY	assignment. Y and STATE OR C	COUNT	RY)	up entity 🖵 Government
4a. The following fee(s)	are submitted:		b. Payment of Fee(s): (Ple s	ase first reannly a	nv nrev	iously naid issue fee s	hown above)
Issue Fee			☐ A check is enclosed.				
☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any				
Advance Order -	# of Copies		overpayment, to Depo	osit Account Numb	er	equired fee(s), any der enclose an	extra copy of this form).
5. Change in Entity Sta	itus (from status indicate as SMALL ENTITY state	· · · · · · · · · · · · · · · · · · ·	☐ b. Applicant is no lor	gar claiming SMA	II ENT	CITY status See 37 CE	P 1 27(a)(2)
NOTE: The Issue Fee ar	nd Publication Fee (if req	uired) will not be accepte	ed from anyone other than				e assignee or other party in
interest as shown by the	records of the United Sta	ites Patent and Trademar	k Office.				
Authorized Signature				Date			
Typed or printed name				Registration I	No		
This collection of inform an application. Confider submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 22	itiality is governed by 35 dapplication form to the ions for reducing this bu /irginia 22313-1450. DC	CFR 1.311. The informati 5 U.S.C. 122 and 37 CFR 2 USPTO. Time will var rden, should be sent to the D NOT SEND FEES OR	on is required to obtain or 1.14. This collection is est y depending upon the indi ne Chief Information Offic COMPLETED FORMS T	retain a benefit by timated to take 12 vidual case. Any co er, U.S. Patent and O THIS ADDRES	the publi minutes omments Tradem S. SENI	ic which is to file (and to complete, including s on the amount of tin ark Office, U.S. Depa D TO: Commissioner for	by the USPTO to process) g gathering, preparing, and ae you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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Robert D. Shedd, Patent Operations			BADAWI,	SHERIEF			
THOMSON Licensing LLC			ART UNIT	PAPER NUMBER			
P.O. Box 5312 Princeton, NJ 08543-5312			2167				
			DATE MAILED: 08/26/2010				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1250 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1250 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	plicant(s)	
	10/519,856	CROWTHER ET AL.		
Notice of Allowability	Examiner	Art Unit		
	SHERIEF BADAWI	2167		
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comi IGHTS. This application is and MPEP 1308.	in this application. If not included munication will be mailed in due course. THIS subject to withdrawal from issue at the initiat		
1. This communication is responsive to <u>BPAI Decision 3/1/20</u>	110 and Applicant's amend	<u>ment filed 7/30/2010</u> .		
2. ☑ The allowed claim(s) is/are <u>1-3,5-9 and 11</u> .				
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	been received. been received in Applica	tion No		
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	IENT of this application.			
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 				
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) \square including changes required by the Notice of Draftspers	son's Patent Drawing Revi	ew (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	,			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date				
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t				
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 				
Attachment(s)	5 	15 15 15 15 15		
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 		Informal Patent Application Summary (PTO-413),		
•	Paper N	o./Mail Date		
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>See Continuation Sheet</u> 	7. ☐ Examiner	's Amendment/Comment		
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner	's Statement of Reasons for Allowance		
of Biological Material	9.			
/Sherief Badawi/	/Neveen Abo	el-Jalil/		
Examiner, Art Unit 2167	Supervisory F	atent Examiner, Art Unit 2165		

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 4/28/2008 and 6/25/2009.

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Art Unit: 2167

DETAILED ACTION

1. This office action is in response to the amendment filed on July 30, 2010 which is in reply to BPAI decision mailed on 3/1/2010, claims 1-3, 5-9 and 11 are presented for further examination.

Allowable Subject Matter

2. Claims 1-3, 5-9 and 11 are allowable in light of the prior art made of record.

Reasons for Indicating Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance:

Upon searching a variety of databases, and the board entering a new 112 second rejection that was clarified by applicants amendment filed on 7/30/2010, the examiner respectfully submits that "processing the user-selected menu option, said processing further including: determining if a requested execution of the at least one process complies with configuration rules for the identified at least one storage device, and if not, blocking execution of the at least one process, and generating an error message, the configuration rules determined in accordance with the information in the database" the pervious cited limitations of claim 1 in conjunction with all other limitations of the dependent and independent claims are not taught nor suggested by the prior art of record (PTO-892 and 1449). Therefore, all pending claims 1-3, 5-9 and 11 are hereby allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

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Art Unit: 2167

CONCLUSION

- 4. Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.
- 15. For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199. The USPTO official fax number is 571-272-8300
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sherief Badawi whose telephone number is (571) 272-9782. The examiner can normally be reached on Monday through Friday 7:30-5:00, Alt Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2167

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR system,

see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system,

contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like

assistance from a USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Sherief Badawi/ Examiner, Art Unit 2167

8-17-2010

/Neveen Abel-Jalil/

Supervisory Patent Examiner, Art Unit 2165